# Contents


Alföldi, L., s. Fodor, K. . . . . 55
Allison, D.P., s. Morelli, G., et al. . . . . 153
Andrés, I., Slocombe, P.M., Cabello, F., Timmis, J.K., Lurz, R., Burkardt, H.J., Timmis, K.N.: Plasmid Replication Functions. II. Cloning Analysis of the *Rep*A Replication Region of Antibiotic Resistance Plasmid R6-5 . . . . . 1
Auerbach, J., Howard-Flanders, P.: The Isolation and Genetic Characteristics of Lambda Transducing Phages of the *uvrA*$^+$ and *uvrC*$^+$ Genes of *E. coli* K12. (Short Communication) . . . . . 341
Behrens, B., s. Morelli, G., et al. . . . . 153
Behrens, B., s. Ratcliff, S.W., et al. . . . . 165
Bochner, B.R., Savageau, M.A.: Inhibition of Growth by Imidazol(on) Propionic Acid: Evidence in vivo for Coordination of Histidine Catabolism with the Catabolism of Other Amino Acids . . . . . 87
Borst, P., s. Heyting, C., et al. . . . . 231
Bos, J.L., s. Heyting, C., et al. . . . . 231, 251
Brimacombe, R., s. Oste, C. . . . . 81
Broda, P., s. Downing, R.G., et al. . . . . 97
Bruschi, A., s. Lane, D., et al. . . . . 337
Burkardt, H.J., s. Andrés, I., et al. . . . . 1
Burkardt, H.J., s. Mattes, R., et al. . . . . 165
Cabello, F., s. Andrés, I., et al. . . . . 1
Caro, L., s. Lane, D., et al. . . . . 337
Chandler, M., s. Lane, D., et al. . . . . 337
Chang, S., Cohen, S.N.: High Frequency Transformation of *Bacillus subtilis* Protoplasts by Plasmid DNA (Short Communication). . . . . 111
Cohen, S.N., s. Chang, S. . . . . 111
Cornelis, G., Ghosal, D., Saedler, H.: Multiple Integration Sites for the Lactose Transposon Tn951 on Plasmid RP 1 and Establishment of a Coordinate System for TN951 . 61
Dennebouy, N., s. Faye, G., et al. . . . . 101
Downing, R.G., Duggleby, C.J., Villems, R., Broda, P.: An Endonuclease Cleavage Map of the Plasmid pWWO-8, a Derivative of the TOL Plasmid of *Pseudomonas putida* mt-2 . . . . . 97
Duggleby, C.J., s. Downing, R.G., et al. . . . . 97
Fahrig, R.: Evidence that Induction and Suppression of Mutations and Recombinations by Chemical Mutagens in *S. cerevisiae* During Mitosis are Jointly Correlated . . . . 125
Faye, G., Dennebouy, N., Kujawa, C., Jacq, C.: Inserted Sequence in the Mitochondrial 23S Ribosomal RNA Gene of the Yeast *Saccharomyces cerevisiae* . . . . . 101
Fiandt, M., s. Salstrom, J.S., et al. . . . . 211
Fisseau, C., s. Morelli, G., et al. . . . . 153
Fodor, K., Alföldi, L.: Polyethylene-Glycol Induced Fusion of Bacterial Protoplasts. Direct Selection of Recombinants 55
Ganesan, A.T., s. Morelli, G., et al. . . . . 153
Ganesan, A.T., s. Ratcliff, S.W., et al. . . . . 165
Ghosal, D., s. Cornelis, G., et al. . . . . 61
Grenson, M., s. Minet, M., et al. . . . . 299
Gudas, L.J., s. Satta, G., et al. . . . . 69
Halevy, C., s. Ronen, A. . . . . 319
Haynes, R.H., s. Little, J.G. . . . . 141
Heyting, C., Meijlink, F.C.P.W., Verbeet, M.P., Sanders, J.P.M., Bos, J.L., Borst, P.: Fine Structure of the 21S Ribosomal RNA on Yeast Mitochondrial DNA. I. Construction of the Physical Map and Localization of the Cistron for the 21S Mitochondrial Ribosomal RNA . . 231
Heyting, C., Menke, H.H.: Fine Structure of the 21S Ribosomal RNA Region on Yeast Mitochondrial DNA. III. Physical Location of Mitochondrial Genetic Markers and the Molecular Nature of $\omega$ . . . . . 279
Heyting, C., Talen, J.-L., Weijers, P.J., Borst, P.: Fine Structure of the 21S Ribosomal RNA Region on Yeast Mitochondrial DNA. II. The Organization of Sequences in Petite Mitochondrial DNAs Carrying Genetic Markers from the 21S Region . . . . . 251
Howard-Flanders, P., s. Auerbach, J. . . . . 341
Ikeda, Y., s. Takahashi, H., et al. . . . . 49
Illmensee, K., s. Kuhn, D.T., et al. . . . . 117
Jacq, C., s. Faye, G., et al. . . . . 101
Jauniaux, J.-C., s. Minet, M., et al. . . . . 299
Kibe, A., Shimada, K., Takagi, Y.: Repair of Ultraviolet-Light Damaged ColE1 Factor Carrying *Escherichia coli* Genes for Guanine Synthesis . . . . . 293
Kuhn, D.T., Züst, B., Illmensee, K.: Autonomous Differentiation of *Tumorous-Head* Phenotype in *Drosophila melanogaster* . . . . . 117
Kujawa, C., s. Faye, G., et al. . . . . 101
Lane, D., Chandler, M., Silver, L., Bruschi, A., Caro, L.: The Construction and Replication Properties of Hybrid Plasmids Composed of the r-Determinant of R100.1 and the Plasmids pCR1 or pSC201 (Short Communications). 337
Little, J.G., Haynes, R.H.: Isolation and Characterization of Yeast Mutants Auxotrophic for 2′-Deoxythymidine 5′-Monophosphate . . . . . 141
Luh, J., s. Morelli, G., et al. . . . . 153
Luh, J., s. Ratcliff, S.W., et al. . . . . 165
Lurz, R., s. Andrés, I., et al. . . . . 1
Mattes, R., Burkardt, H.J., Schmitt, R.: Repetition of Tetracycline Resistance Determinant Genes on R Plasmid pRSD1 in *Escherichia coli* . . . . . 173
Meijlink, F.C.P.W., s. Heyting, C., et al. . . . . 231
Menke, H.H., s. Heyting, C. . . . . 279
Messer, W., s. Tippe-Schindler, R., et al. . . . . 185
Messer, W., s. Zahn, G. . . . . 197
Minet, M., Jauniaux, J.-C., Thuriaux, P., Grenson, M., Wiame, J.-M.: Organization and Expression of a Two-Gene Cluster in the Arginine Biosynthesis of *Saccharomyces cerevisiae* . . . . . 299
Montenegro, M.A., s. Ratcliff, S.W., et al. . . . . 165
Morelli, G., Fisseau, C., Behrens, B., Trautner, T.A., Luh, J., Ratcliff, S.W., Allison, D.P., Ganesan, A.T.: The Genome of *B. subtilis* Phage SPP1. The Topology of DNA Molecules . . . . . 153
Morelli, G., s. Ratcliff, S.W., et al. . . . . 165
Nijkamp, H.J.J., s. Pol, H. van de, et al. . . . . 309
Nordheim, A., s. Synenki, R.M., et al. . . . . 27
Oste, C., Brimacombe, R.: The Use of *sym*-Triazine Trichloride in RNA-Protein Cros-Linking Studies with *Escherichia coli* Ribosomal Subunits . . . . . 81
Pardee, A.B., s. Satta, G., et al. . . . . 69
Pol, H. van de, Veltkamp, E., Nijkamp, H.J.J.: Clo DF13 Plasmid Genes Affecting F*lac* Transfer and Propagation of Male Specific RNA Phages . . . . . 309
Prell, H.H.: *Cis*- and *trans*-Activity of P22 Antirepressor Protein Against c-Repression Specified by the Closely Related *Salmonella* Phage L and P×1 . . . . . 323
Ratcliff, S.W., Luh, J., Ganesan, A.T., Behrens, B., Thompson, R., Montenegro, M.A., Morelli, G., Trautner, T.A.: The Genome of *Bacillus subtilis* Phage SPP1. The Arrangement of Restriction Endonuclease Generated Fragments 165
Ratcliff, S.W., s. Morelli, G., et al. . . . . 153
Ronen, A., Halevy, C.: Recombination in Phage T4 Gene-43 (DNA Polymerase) Mutants . . . . . 319
Saedler, H., s. Cornelis, G., et al. . . . . 61
Saito, H., s. Takahashi, H., et al. . . . . 49

Salstrom, J.S., Fiandt, M., Szybalski, W.: *N*-Independent Leftwards Transcription in Coliphage Lambda: Deletions, Insertions and New Promoters Bypassing Termination Functions . . . . . 211
Sanders, J.P.M., s. Heyting, C., et al. . . . . 231
Satta, G., Gudas, L.J., Pardee, A.B.: Degradation of *Escherichia coli* DNA: Evidence for Limitation in vivo by Protein X, the *recA* Gene Product . . . . . 69
Savageau, M.A., s. Bochner, B.R. . . . . 87
Schaller, H., s. Sommer, R. . . . . 331
Schmitt, R., s. Mattes, R., et al. . . . . 165
Sekiguchi, M., s. Shimizu, K. . . . . 37
Shimada, K., s. Kibe, A., et al. . . . . 293
Shimizu, K., Sekiguchi, M.: Introduction of an Active Enzyme into Permeable Cells of *Escherichia coli*. Acquisition of Ultraviolet Light Resistance by *uvr* Mutants on Introduction of T4 Endonuclease V . . . . . 37
Shimizu, M., s. Takahashi, H., et al. . . . . 49
Silver, L., s. Lane, D., et al. . . . . 337
Slocombe, P.M., s. Andrés, I., et al. . . . . 1
Sommer, R., Schaller, H.: Nucleotide Sequence of the Recognition Site of the B-Specific Restriction Modification System in *E. coli* . . . . . 331
Synenki, R.M., Nordheim, A., Timmis, K.N.: Plasmid Replication Functions. III. Origin and Direction of Replication of a "Mini" Plasmid Derived from R6-5 . . . . . 27
Szybalski, W., s. Salstrom, J.S., et al. . . . . 211
Takagi, Y., s. Kibe, A., et al. . . . . 293
Takahashi, H., Shimizu, M., Saito, H., Ikeda, Y.: Studies of Viable T4 Bacteriophage Containing Cytosine-Substituted DNA (T4dC Phage). II. Cleavage of T4dC DNA by Endonuclease *Sal*I and *Bam*HI . . . . . 49
Talen, J.-L., s. Heyting, C., et al. . . . . 251
Thompson, R., s. Ratcliff, S.W., et al. . . . . 165
Thuriaux, P., s. Minet, M., et al. . . . . 299
Timmis, J.K., s. Andrés, I., et al. . . . . 1
Timmis, K.N., s. Andrés, I., et al. . . . . 1
Timmis, K.N., s. Synenki, R.M., et al. . . . . 27
Tippe-Schindler, R., Zahn, G., Messer, W.: Control of the Initiation of DNA Replication in *Escherichia coli*. I. Negative Control of Initiation . . . . . 185
Trautner, T.A., s. Morelli, G., et al. . . . . 153
Trautner, T.A., s. Ratcliff, S.W., et al. . . . . 165
Veltkamp, E., s. Pol, H. van de, et al. . . . . 309
Verbeet, M.P., s. Heyting, C., et al. . . . . 231
Villems, R., s. Downing, R.G., et al. . . . . 97
Weijers, P.J., s. Heyting, C., et al. . . . . 251
Wiame, J.-M., s. Minet, M., et al. . . . . 299
Zahn, G., Messer, W.: Control of the Initiation of DNA Replication in *Escherichia coli*. II. Function of the *dnaA* Product . . . . . 197
Zahn, G., s. Tippe-Schindler, R., et al. . . . . 185
Zūst, B., s. Kuhn, D.T., et al. . . . . 117

Note 116
Indexed in Current Contents